

Amendments to the Specification are as follows:

Before the first sentence on page 1 please insert the following paragraph.

This application claims the benefit of priority to Japanese Patent

Application No. 2003-015016, herein incorporated by reference.

Please amend the paragraph beginning on page 14, line 12 and ending on page 14, line 19 as follows:

The reference point A of the display screen can be set at any position in the display screen, but in this embodiment, as shown in Fig. 7, is set at the center of the display screen 2a. Since the geographic data receiving unit 4a, the image data control unit 4b and the monitor control unit 4c are well known ~~and are not a gist of the present invention, description thereof of these units~~ will be omitted.

Please amend the paragraph beginning on page 16, line 28 and ending on page 17, line 17 as follows:

Fig. 5C is a graph illustrating the relationship between the variation of distance obtained through the above calculations and the actuator driving signals. In this embodiment, when the manipulation unit 22 is manipulated in a direction approaching the destination position B, that is, when the variation of distance from the reference point A to the destination position B ~~represents minus~~ is a negative amount, the actuator driving signals are not output from the control unit 4, and when the manipulation unit 22 is manipulated in a direction separated away from the destination position B, that is, when the variation of distance from the reference point A to the destination position B is a positive amount ~~represents plus~~, the actuator driving signals proportional to the variation of distance are output from the control unit 4. As a result, since the operator can avoid the scrolling of the road map data 51 in a wrong direction, the operator can rapidly scroll the road map data 51 in the direction toward destination position B.

Please amend the paragraph beginning on page 17, line 27 and ending on page 18, line 15 as follows:

When the start switch 27 is manipulated by an operator and the first switch signal c is output from the start switch 27 (step S1), the control unit 4 starts the display unit 2 and the input unit 3 on the basis of the switch signal c, and as shown in Fig. 7, displays a current position mark 52 marked at the current position C, a destination setting panel 53 and the cursor 54 in the display screen 2a of the display unit 2 on the basis of the road image data 51 including the current position and the geographic data transmitted from the communication satellite (step S2). The road map data 51 includes, as schematically shown in Fig. 7, specific regions, for example, Japanese national road maps, as well as the region displayed in the display screen 2a, and a numerical keyboard (herein after referred to as a ten-key), etc. for inputting a look of address or a phone number included in the road map data 51 is displayed in the destination setting panel 53.

Please amend the paragraph beginning on page 19, line 18 and ending on page 20, line 19 as follows:

After setting the destination position B, when the manipulation unit 22 is manipulated by the operator and the first and second positional signals a, b are output from the first and second positional sensors 25, 26 (step S7), the control unit 4 calculates a movement position of the cursor 54 on the basis of the positional signals a, b, and determines whether the movement position is within the display screen 2a or not (step S8). When it is determined in the step S8 that the movement position of the cursor 54 is within the road map data 51 displayed in the display screen 2a, the control unit 4 does not output the driving signals of the actuators 23, 24, and the actuators 23, 24 are thus maintained in a stop state. Therefore, the force-feedback is not supplied to the manipulation unit 22, and the operator can freely move the cursor 54 within the display screen 2a. On the other hand, when it is determined in the

step S8 that the movement position of the cursor 54 ~~exceeds~~ is outside of the display screen 2a, the control unit 4 controls the image data storage unit 1 and the display unit 2 to scroll the road map data 51 by the amount of manipulation of the manipulation unit 22 in a direction corresponding to the direction of manipulation of the manipulation unit 22, and outputs the driving signals of the actuators 23, 24 corresponding to the direction and amount of manipulation of the manipulation unit 22 to supply an appropriate force-feedback to the manipulation unit 22 (step S9). The supply of force-feedback is performed by repeating the aforementioned calculations (1) to (7) in the calculation unit 42.

Amendments to the Abstract are as follows:

An image information display apparatus is provided, which is inexpensive and is capable of easily performing scrolling of image data from a current position to a destination. The image information display apparatus includes a map data storage unit 1, a display unit 2, an input unit 3, a control unit 4, and a communication satellite 5. The input unit includes that contains a manipulation unit 22 manipulated by an operator, position sensors 25, 26 for detecting a manipulation states of the manipulation unit 22, actuators 23, 24 for supplying a force-feedback to the manipulation unit 22, and destination setting switches 27, 28. The control unit 4 calculates an amount and direction of manipulation of the manipulation unit 22 on the basis of using positional signals a, b, and performs scrolling of image data 51 on the basis of using the calculated amount and direction of manipulation of the manipulation unit 22 obtained. ~~In addition,~~ The control unit also calculates the deviation between the direction of a destination B as seen from a reference point A in the road map data 51 and the direction of manipulation of the manipulation unit 22, and controls drive of the actuator 23, 24 to decrease the force-feedback to be supplied to the manipulation unit 22 with a decrease in the calculated deviation.

Amendments to the Drawings are as follows:

The attached sheets of drawings include changes to Fig. 6. In Fig. 6, a typographical error is corrected. Applicant respectfully requests that Fig. 6 be replaced with the corrected Fig. 6 enclosed herewith. The corrections to the figures have been marked in red. Applicant respectfully requests that the Examiner approve the correction. Applicant will submit corrected formal drawings upon receiving a Notice of Allowance.